

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number  
**WO 2005/076198 A1**

(51) International Patent Classification<sup>7</sup>: **G06K 9/62**  
(21) International Application Number:  
PCT/KR2005/000076  
(22) International Filing Date: 11 January 2005 (11.01.2005)  
(25) Filing Language: Korean  
(26) Publication Language: English  
(30) Priority Data:  
10-2004-0008272 9 February 2004 (09.02.2004) KR  
10-2004-0087986  
2 November 2004 (01.11.2004) KR

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

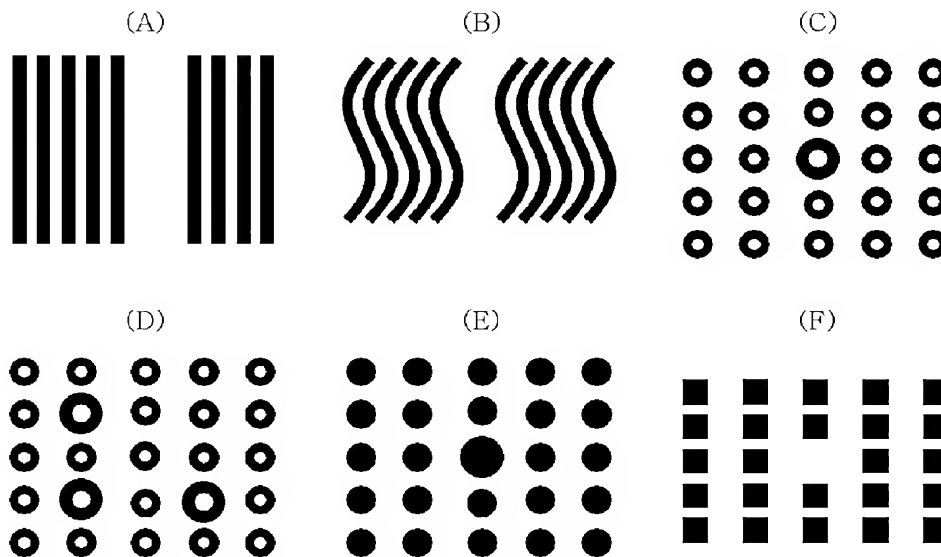
(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**  
— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

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(54) Title: DEVICE FOR MEASURING 3D SHAPE USING IRREGULAR PATTERN AND METHOD FOR THE SAME



(57) Abstract: The present invention relates to a device and method for measuring a three-dimensional shape and, more particularly, to a measurement device and method in which a specific pattern is generated on the surface of an object to be measured, the object is photographed using a camera, and data on the 3-D shape are acquired from a photographed image, wherein an irregular pattern is employed, thus simplifying a process of measuring the 3-D shape. The present invention is suitable for the measurement of a moving object, the fabrication of the device can be easily performed, various pattern generation means can be utilized, and an inexpensive and popularized image camera can be used instead of an expensive industrial camera. The present invention can be applied to the fabrication of custom-made shoe soles and custom-made shoes and a medical field.



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